Go To Table Of Contents

222 / 223

High-Low Power Examination Table

Ritter® by MIDMARK

User's Guide

CE

003-1355-00 (Rev A1)

Go To Table Of Contents

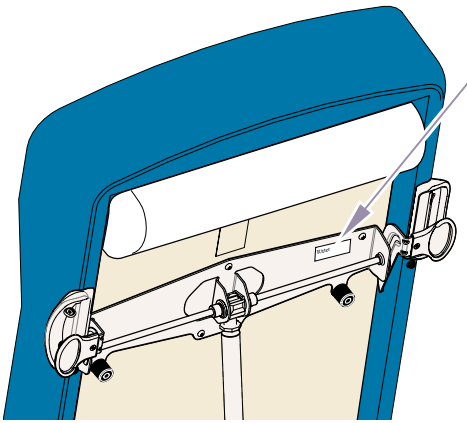
Owner's Product Identification

(The information below is required when calling for service)

Model Number:	***Serial Number:***
Date of Purchase:	***Name of Owner / Facility:***
Name of Dealer:	***Dealer's Phone Number:***

Midmark Authorized Service Company:

222 / 622



Serial / Model Number Location

223 / 623

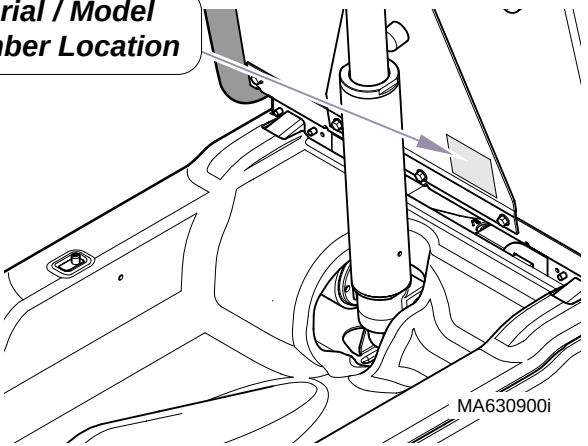


Table of Contents

Important Information
Safety Symbols 2
Intended Use 3
Patient Positioning 3
Electromagnetic Interference 3
Authorized CE Representative 3
Transportation / Storage Conditions 3
Safety Instructions 4
Operation
Table Up / Down Operation:
222 Model 5
223 Model 6
Back Section Operation:
222 Model 7
223 Model 8
Exam Assistant™ Drawer System 9
Paper Roll & Tear Straps 10
Stirrups 11
Footrest & Treatment Pan 12
Drawer Heater *(optional)* 12
Pelvic Tilt 13
Duplex Receptacle 14
Maintenance
Cleaning 15
Preventative Maintenance 15
Calling For Service 15
Accessories
List of Authorized Accessories 16
Specifications
Weights, Dimensions, Electrical Specifications 17
Regulatory Compliance Chart:
222 Model 18
223 Model 19
Range of Motion & Dimensions 20
Warranty Information
Limited Warranty 21

Important Information

Safety Symbols

Caution
Indicates a potentially hazardous situation which could result in injury if not avoided.

Equipment Alert
Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note
Amplifies a procedure, practice, or condition.

Consult User Guide for important information.

Proper shipping orientation

Fragile

Type B, Applied Part

Protective earth ground

Duty Cycle (motor run time):
30 seconds ON, 5 minutes OFF

Keep dry

Maximum stacking height (**palletted** units)

Fuse rating specification

Dangerous voltage / shock hazard

IPX1 Protected against dripping water

Medical Equipment
UL2601-1, 94XM
Midmark Corporation

This product has been evaluated with respect to electrical shock, fire & mechanical hazards only, in accordance with UL2601-1 and CAN/CSA C22.2 NO. 601.1.

Intended Use

This product is intended to be used as a chair / table to provide positioning and support of patients during general examinations and procedures conducted by qualified medical professionals.

Patient Positioning

The table is designed to accommodate the following examination positions:

- Prone
- Supine
- Lateral Sims
- Lithotomy

Electrical Requirements

Caution

Most exposed metal parts of the table are electrically grounded. When performing a cauterization or similar treatment, the patient must be insulated from the metal portions of the table by nonconductive material. Failure to do so could result in electric shock or burns to patient.

Electromagnetic Interference

This Midmark table is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this table, remove interfering device from room and/or plug table into an isolated circuit.

Authorized CE Representative

Countries in the EEC should direct all questions, incidents, and complaints to Midmark's Authorized CE representative listed below:

Promotal
22, Rue De St. Denis
53500 Ernee,
FRANCE
Phone: 33-2-430-517-76
Fax: 33-2-430-569-10

Transportation / Storage Conditions

Ambient Temperature Range: .....+5°C to +38°C (+41°F to 100°F)
Relative Humidity .....10% to 90% (non-condensing)
Atmospheric Pressure .....500hPa to 1060hPa (0.49atm to 1.05atm)

Safety Instructions

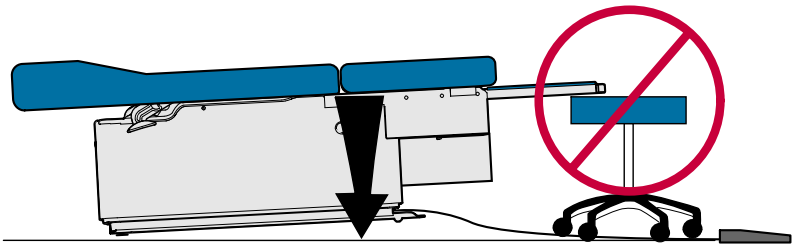
Caution

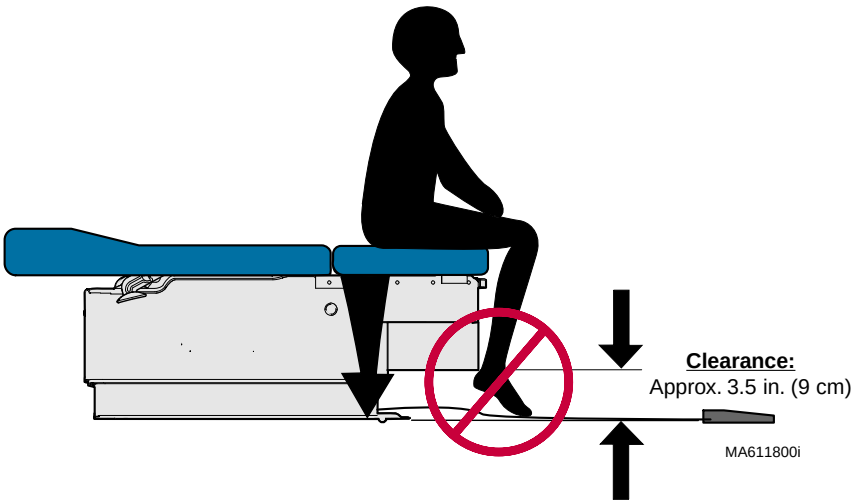
When lowering the table, objects trapped under the footrest or upholstered top may cause the table to tip. Keep area around table clear when lowering.

At the table's lowest height *[18 in. (45.7 cm)]*, the clearance between the bottom of the drawer and the floor is approximately 3.5 in. (9 cm). Make sure patient *(esp. feet)* and all objects are clear of this area before lowering table.

If the table malfunctions, immediately release foot pedal, unplug the table power cord, and assist the patient from the table. If table continues to malfunction, call for service.

Failure to comply with these instructions may result in injury to patient and/or damage to equipment.



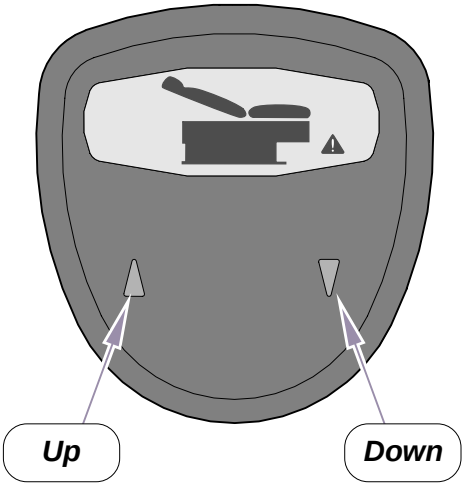


Operation

Table Up / Down Operation - 222

Note
The table automatically stops at its maximum and minimum height.

To move the table Up or Down...
Press and hold the appropriate button.



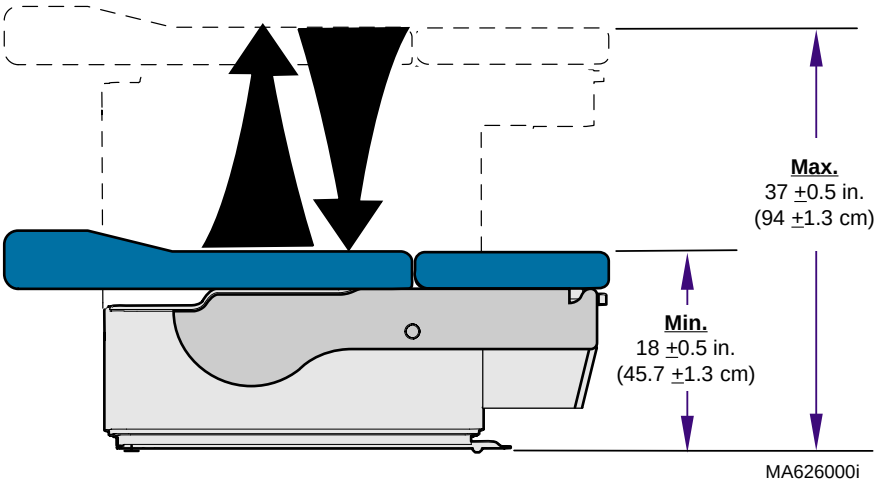


Table Up / Down Operation - 223

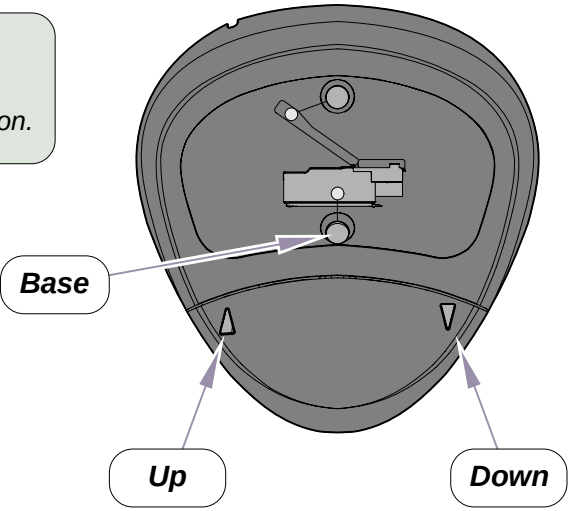
Note

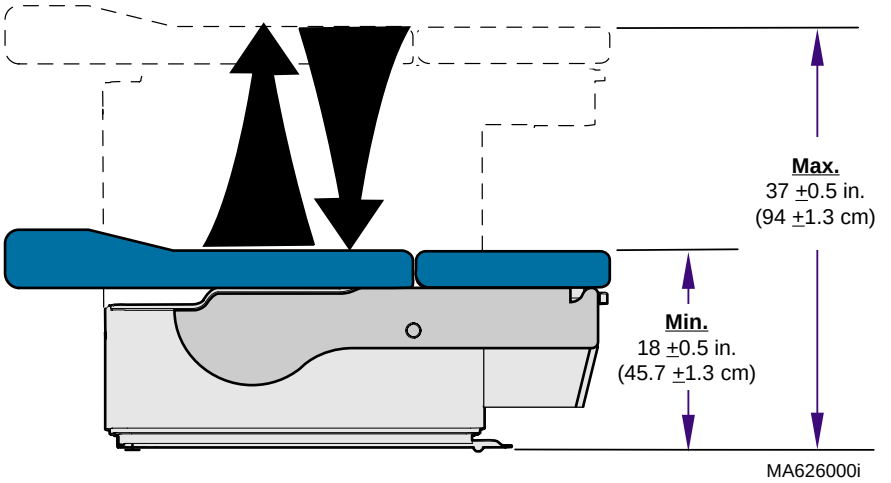
The table automatically stops at its maximum and minimum height.

To move the table Up or Down...

A. *Press the Base button.*

B. *Press and hold the Up or Down button.*

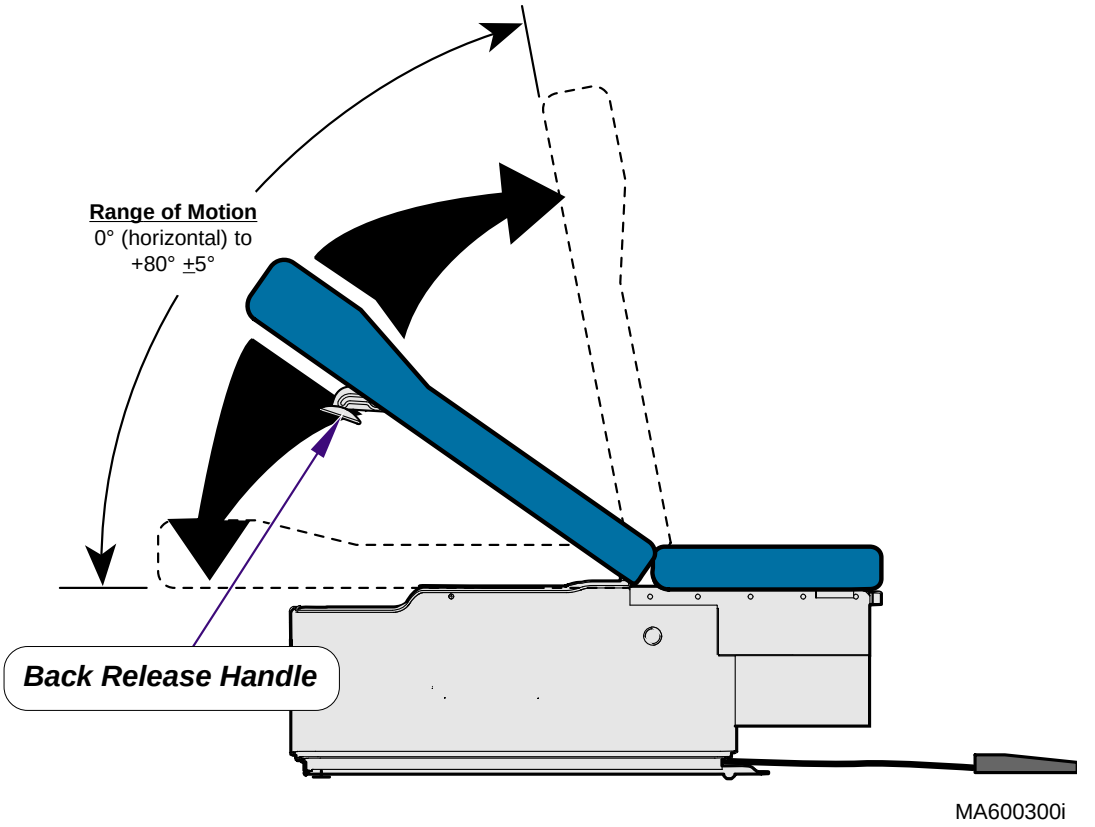




Back Section Operation - 222

To position the back section...

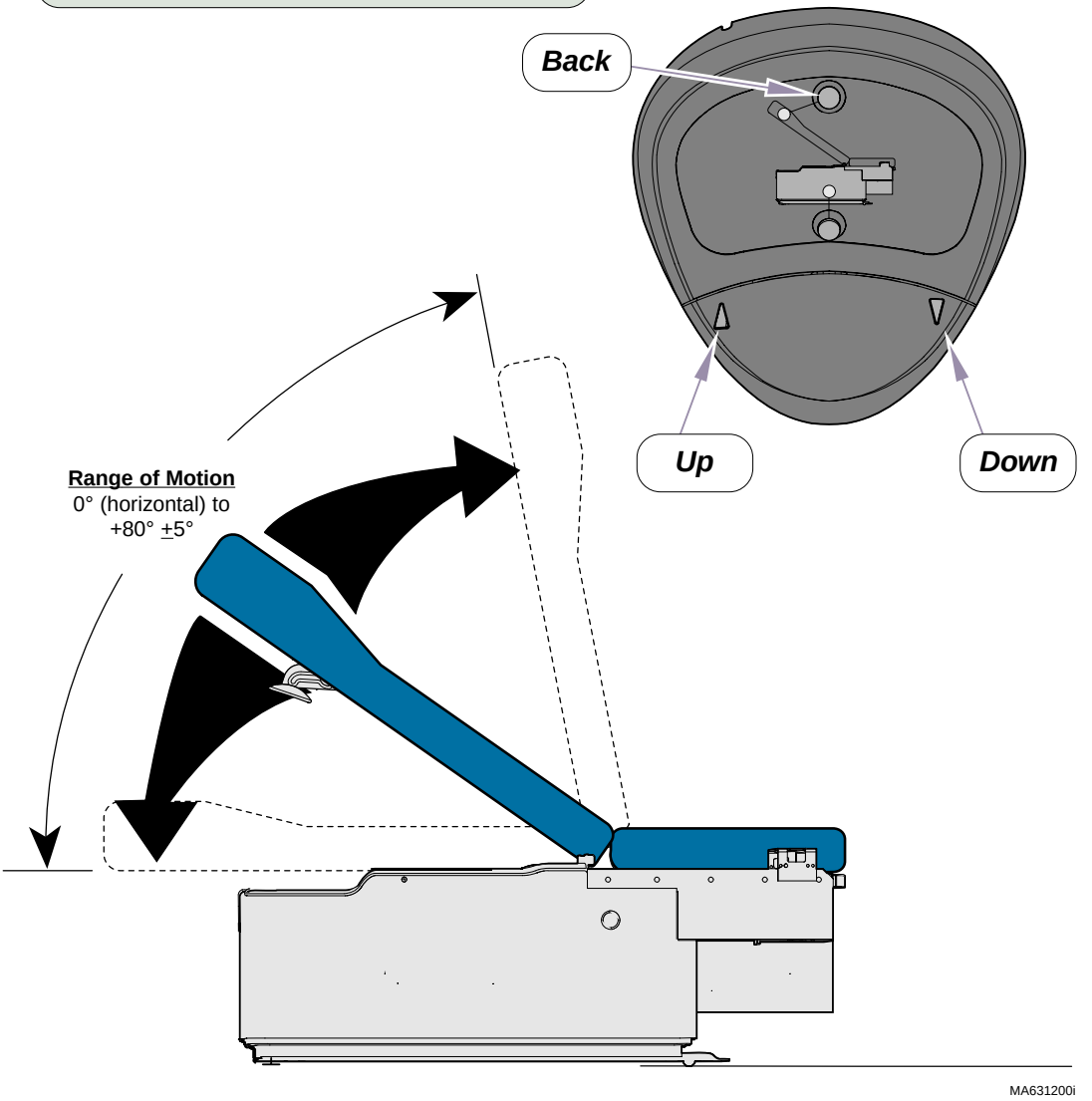
A. *Squeeze the Back Release Handle (either side).*
B. *Move the back section.*
C. *Release handle to lock back section in position.*



Back Section Operation - 223

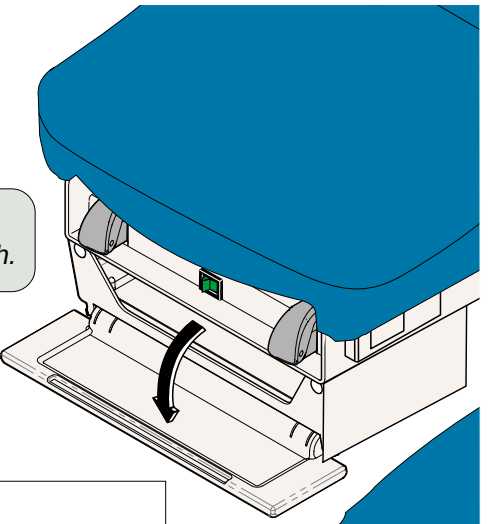
Note
The back section automatically stops at the top and bottom of its travel.

To position the back section...
A. *Press the Back button.*
B. *Press and hold the Up or Down button.*

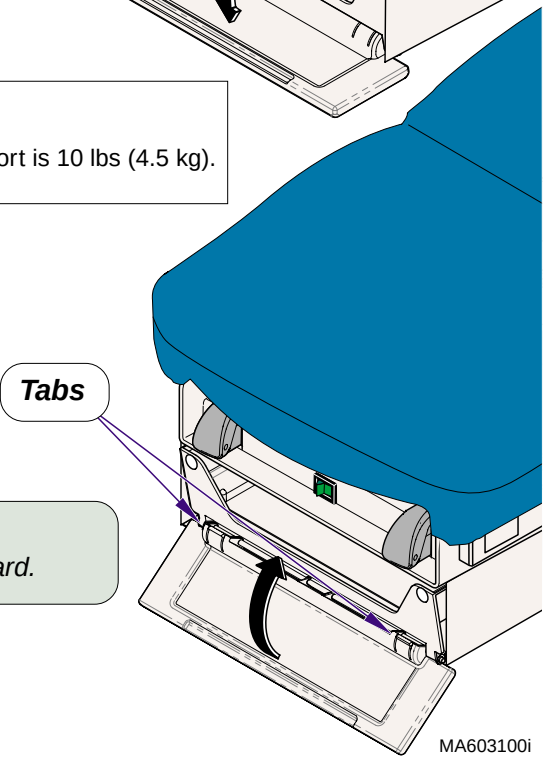


Exam Assistant™ Drawer System

To use the drawer front as a shelf...
Pull drawer front down to release the magnetic latch.



Equipment Alert
The maximum weight the shelf will support is 10 lbs (4.5 kg).



If drawer front folds past horizontal...
Press two Tabs and swing drawer front upward.

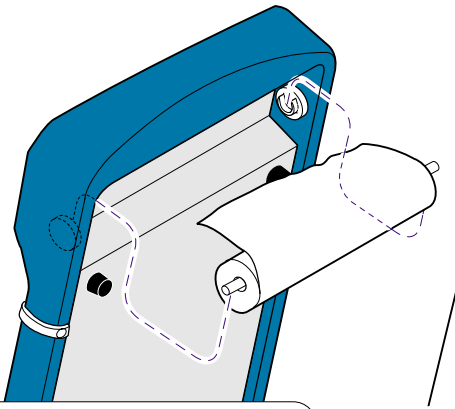
MA603100i

Paper Roll & Tear Straps

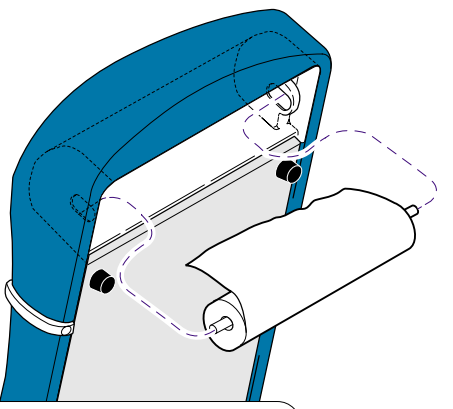
Note
Up to four paper rolls (max) may be stored under the back section.

Paper Roll Size (max.) ..... 21 in. long x 3.5 in. diameter (53.3 cm x 8.9 cm)

To install the paper roll...
Insert rod ends into sockets under head end of upholstery.

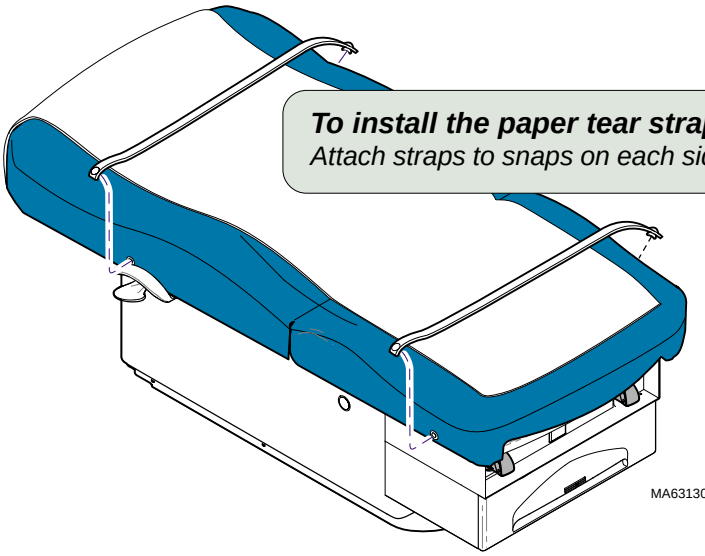


Cut & Sewn Upholstery



Seamless Upholstery

To install the paper tear straps...
Attach straps to snaps on each side of table.



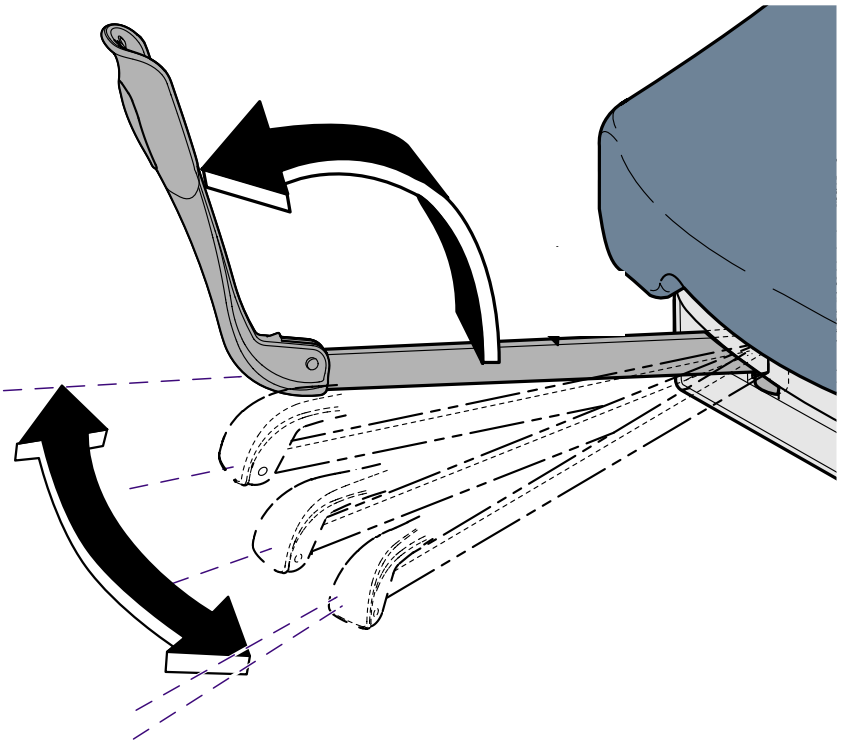
Stirrups

Caution

Be sure the stirrups are locked in place before using.
The stirrups will not support the patient's entire weight.

To position the stirrups...

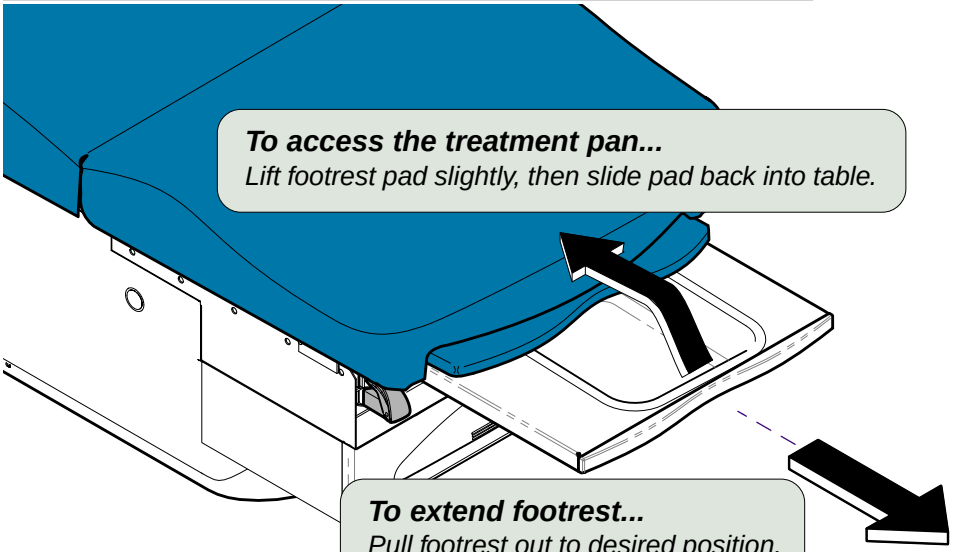
A. *Pull the stirrup out, then unfold.*
B. *Lift the stirrup slightly, then move it left or right as desired.*
C. *Release stirrup to lock in position.*



MA602500i

Footrest & Treatment Pan

Caution
Do not use footrest to support patient's entire weight.


To access the treatment pan...
Lift footrest pad slightly, then slide pad back into table.
To extend footrest...
Pull footrest out to desired position.

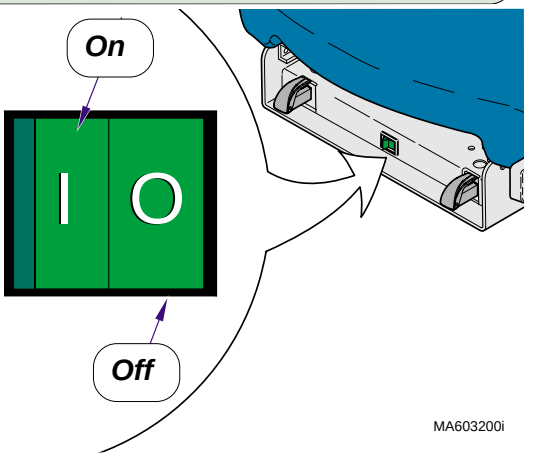
MA626400i

Drawer Heater (optional)

Note
The drawer heater switch illuminates when heater is ON (**I**).

The drawer heater warms the contents of the drawer to approximately 98°F (37°C).

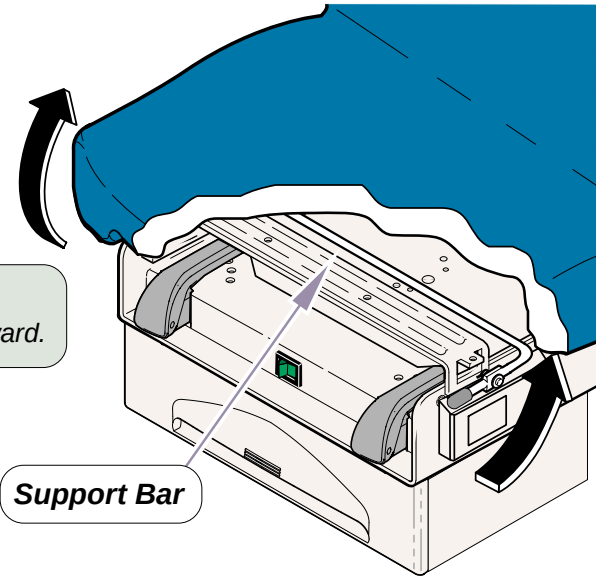
To turn the drawer heater On/Off...
Press the heater switch to desired position.



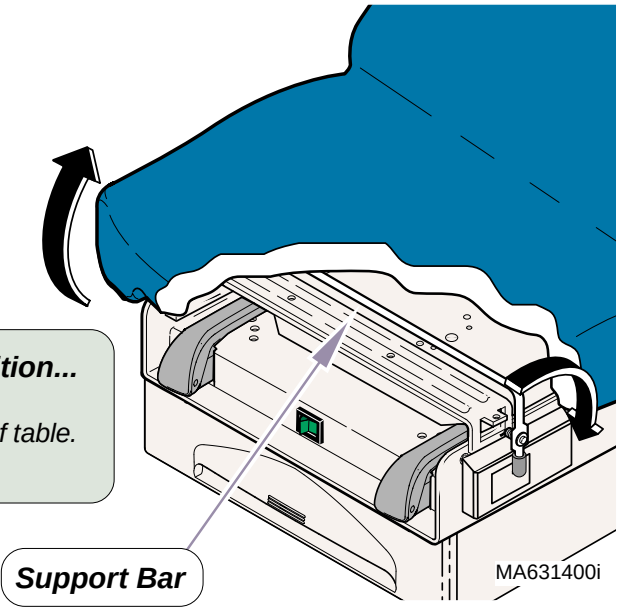
MA603200i

Pelvic Tilt (optional)

To elevate seat section...
Lift seat until support bar "springs" upward.



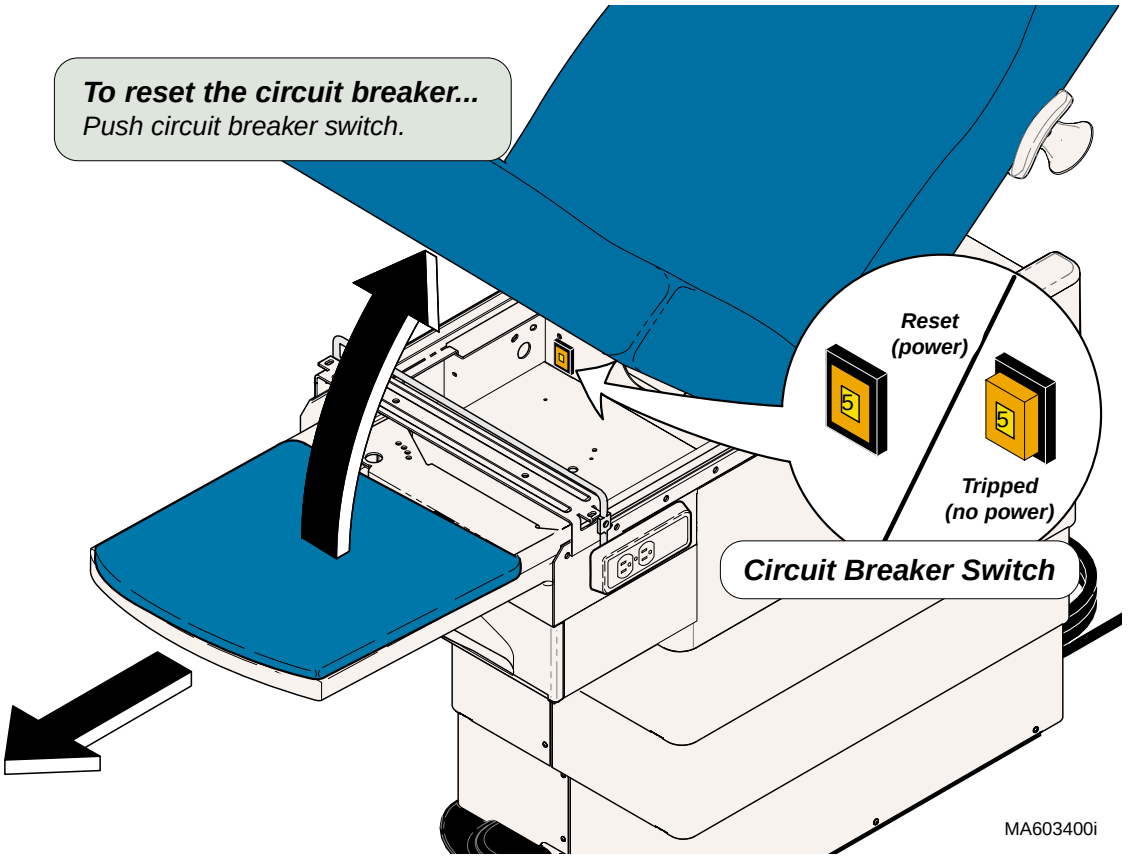
To return seat section to flat position...
A. *Lift seat section slightly.*
B. *Push support bar toward head end of table.*
C. *Release seat section.*



Duplex Receptacle ***(optional - not available on 230 volt models)***

The duplex receptacle provides power for accessories used during medical procedures.
If the receptacle's maximum load is exceeded, the circuit breaker *[located under seat section]* interrupts power to the receptacle.

Maximum Load *[both receptacles combined]:* ..... 115 VAC, 5 amps



Maintenance

Cleaning

Clean upholstery with 5% bleach/water solution.

Equipment Alert
The upholstery is resistant to most medicinal-type stains, but may be damaged by solvents and dyes. Immediately remove any fluids spilled on the upholstery.

Clean the table weekly, wiping the painted metal and plastic surfaces with a clean, soft cloth, and mild cleaners. Periodic applications of common furniture wax will ease cleaning and maintain the finished luster of the table.

Preventive Maintenance

Periodically inspect the following areas:

- Power cord should be free of cuts or other visible damage.
- All fasteners should be present and tightened securely.
- All mechanical functions should operate properly.

Periodically lubricate the following areas to maintain quiet, smooth, operation:

- Back hinge *(use light machine oil)*
- Footrest slide *(use household furniture wax)*

Have an authorized service technician inspect your table every six months.

Calling For Service

Note
Model / Serial Number information is required when calling for service.

Contact your Midmark Dealer, or log onto www.midmark.com to locate your nearest service provider. To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662
8:00 am until 5:00 pm. Monday through Friday (EST)
[excluding standard U.S. holidays]

Accessories

List of Authorized Accessories

The accessories authorized for use with this table are listed below:

Accessory Name	Part Number	Restrictions / Intended Use
Procto Rest	9A04001	***Intended Use:*** To provide patient support and positioning during proctological exams.
Stainless Steel Treatment Pan	9A70000	***Intended Use:*** To contain liquid spilled during urological procedures.
Urology Drain Pan w/ hose	9A104001	***Intended Use:*** To contain liquid spilled during urological procedures.
Knee Crutches	9A319002	***Intended Use:*** To support patient's knees/legs.
Clamps/Brackets only *(for Knee Crutches)*	9A319003	***Intended Use:*** To attach knee crutches to table.
Articulating Knee Crutches	9A320001	***Intended Use:*** To support patient's knees/legs.
Rear Storage	9A313001	***Intended Use:*** To provide additional storage space at the exam table.
Adjustable Arm System	9A314001	***Intended Use:*** To provide patient support while mounting/dismounting table.
Welch-Allyn Light Bracket	9A315002	***Intended Use:*** To mount a Welch-Allyn light onto the table.

Specifications

Weights, Dimensions, Electrical Specifications

Patient Weight (Maximum) ..... 400 lbs (181.4 kgs)

Paper Roll (maximum size): ..... 21 in. long x 3.5 in. diameter (53.3 x 8.9 cm)

Range of Motion & Dimensions ..... (See *Range of Motion & Dimensions* page)

Weight of Table:
[230 VAC models only: 230 V transformer adds 14.5 lbs (6.5 kg)]
222 / 223 ..... 325 lbs (147.4 kg)
w/packaging & skid ..... 375 lbs (192.7 kg)

Power Cord: ..... 8 ft. (243.8 cm) long

Electrical Requirements: ..... [See Regulatory Compliance Charts]

Foot Control Voltage: ..... 14 VAC, SELV (Safety Extra Low Voltage)

Duplex Receptacle (optional) maximum load: ..... 115 VAC, 5A

Fuses:
115/230 VAC models:
F1 & F2 *(on main PC board)* ..... 10A, 250V, Slo-Blo, 1/4" x 1 1/4"
F3 *(on main PC board)* ..... 5A, 250V, Slo-Blo, 1/4" x 1 1/4"
F4 *(on main PC board)* ..... 187 mA, 250V, Slo-Blo, 1/4" x 1 1/4"
Models w/ drawer heater (optional)
distribution board fuses (2) ..... .800 mA, 250V, Slo-Blo, 5 x 20mm
230 VAC models only:
located next to IEC inlet (2) ..... 4A, 250V, Slo-Blo, 5 x 20 mm

Duty Cycle *(motor run time)*: ..... Intermittent Operation [30 seconds ON / 5 minutes off]

Classifications: ..... Class 1, Type B Applied Part, Ordinary Equipment, Intermittent Operation

Protection against ingress of fluids: IPX1

Regulatory Compliance: ..... [See Regulatory Compliance Charts]

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or with oxygen, or nitrous oxide.

Regulatory Compliance Chart - 222

Go To Table Of Contents

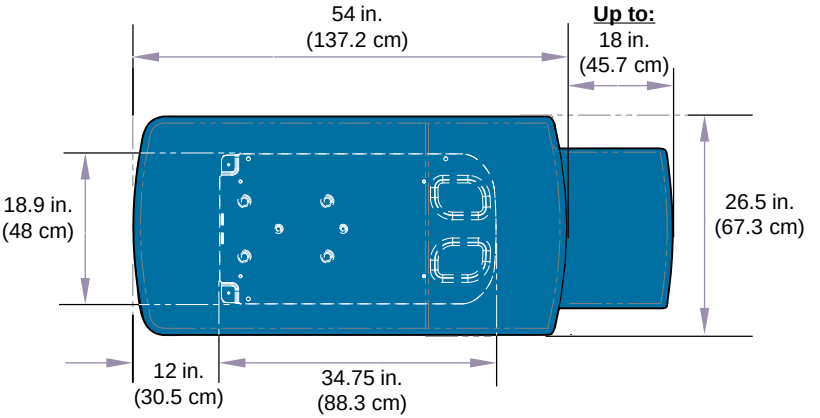
Model	Description	Serial Number Prefix	Complies To:							Electrical Ratings:		
			UL 2601	CAN/CSA 22.2, #601.1-M90	UL 544	CAN/CSA 22.2, #125	EN 60601-1-2 (EMC)	EN 60601-1	CE	VAC +/- 10%	Amps	Cycles (Hz)
222-001	**Ritter BasicTable** (Standard Top)	**RG**	X	X			X	X	X	115	5.5	50/60
222-002	**Ritter BasicTable** w/ Receptacle (Standard Top)	**RH**			X	X	X		X	115	10.5	50/60
222-003	**Ritter BasicTable** w/ Drawer Heater, Pelvic Tilt (Standard Top)	**RJ**	X	X			X	X	X	115	6	50/60
222-004	**Ritter BasicTable** w/ Receptacle, Pelvic Tilt Drawer Heater, (Standard Top)	**RK**			X	X	X		X	115	11	50/60
222-005	**Ritter BasicTable** (Seamless Top)	**RG**	X	X			X	X	X	115	5.5	50/60
222-006	**Ritter BasicTable** w/ Receptacle, (Seamless Top)	**RH**			X	X	X		X	115	10.5	50/60
222-007	**Ritter BasicTable** w/ Drawer Heater, Pelvic Tilt (Seamless Top)	**RJ**	X	X			X	X	X	115	6	50/60
222-008	**Ritter BasicTable** w/ Receptacle, Pelvic Tilt Drawer Heater, (Seamless Top)	**RK**			X	X	X		X	115	11	50/60
222-009	**Ritter Basic Export Table** w/Pelvic Tilt (Standard Top)	**RL**					X	X	X	230	2.75	50/60
222-010	**Ritter BasicExport Table** w/ Pelvic Tilt, Drawer Heater (Standard Top)	**RM**					X	X	X	230	3	50/60

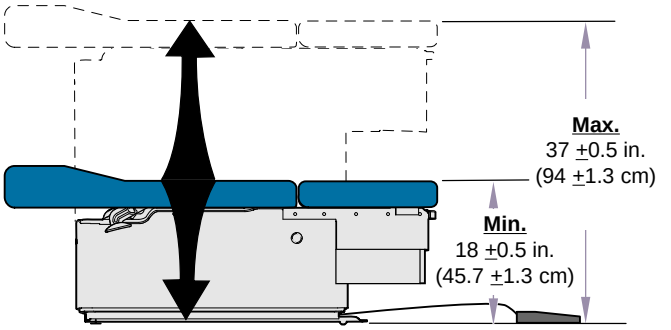
Regulatory Compliance Chart - 223

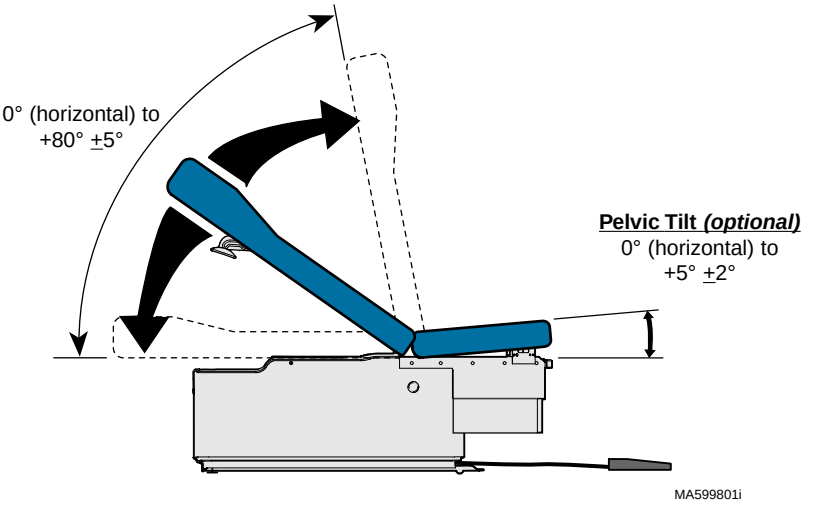
Go To Table Of Contents

Model	Description	Serial Number Prefix	Complies To:							Electrical Ratings:		
			UL 2601	CAN/CSA 22.2, #601.1-M90	UL 544	CAN/CSA 22.2, #125	EN 60601-1-2 (EMC)	EN 60601-1	CE	VAC +/- 10%	Amps	Cycles (Hz)
223-001	**Ritter Power Back Table** (Standard Top)	**SC**	X	X			X	X	X	115	7	50/60
223-002	**Ritter Power BackTable** w/ Receptacle (Standard Top)	**SD**			X	X	X		X	115	12	50/60
223-003	**Ritter Power BackTable** w/ Drawer Heater, Pelvic Tilt (Standard Top)	**SE**	X	X			X	X	X	115	7.5	50/60
223-004	**Ritter Power BackTable** w/ Receptacle, Pelvic Tilt Drawer Heater, (Standard Top)	**SF**			X	X	X		X	115	12.5	50/60
223-005	**Ritter Power Back Table** (Seamless Top)	**SC**	X	X			X	X	X	115	7	50/60
223-006	**Ritter Power BackTable** w/ Receptacle (Seamless Top)	**SD**			X	X	X		X	115	12	50/60
223-007	**Ritter Power BackTable** w/ Drawer Heater, Pelvic Tilt (Seamless Top)	**SE**	X	X			X	X	X	115	7.5	50/60
223-008	**Ritter Power BackTable** w/ Receptacle, Pelvic Tilt Drawer Heater, (Seamless Top)	**SF**			X	X	X		X	115	12.5	50/60
223-009	**Ritter Power Back Export Table** w/ Pelvic Tilt (Standard Top)	**SG**					X	X	X	230	3.75	50/60
223-010	**Ritter Power Back Export Table** w/ Pelvic Tilt, Drawer Heater (Standard Top)	**SH**					X	X	X	230	4	50/60

Range of Motion & Dimensions







Warranty Information

Limited Warranty

SCOPE OF WARRANTY

Midmark Corporation (“Midmark”) warrants to the original purchaser its new Alter-nate Care products and components (except for components not warranted under “Exclusions”) manufac-tured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark’s obligation under this warranty is limited to the repair or replacement, at Midmark’s option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, acci-dent, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark “Installation” and or “Installation / Oper-ation Manual for this applicable product. (3) products considered to be of a consum-able nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY

Midmark’s only obligation under this warranty is the repair or replacement of defec-tive parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequen tial damages or delay, including, but not limited to, dam-ages for loss of profits or loss of use.

NO AUTHORIZATION

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK’S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACE MENT OF DEFECTIVE PARTS.

SF-1487 REV. A1

DECLARATION OF CONFORMITY
MIDMARK CORPORATION

Midmark Corporation declares that **Exam Tables 222 (-001 thru -010) & 223 (-001 thru -010)** conform to the applicable requirements of the Medical Device Directive 93/42/EEC, Annex VII.

222-001 Serial Numbers: RG1000 to present.	223-001 Serial Numbers: SC1000 to present.
222-002 Serial Numbers: RH1000 to present.	223-002 Serial Numbers: SD1000 to present.
222-003 Serial Numbers: RJ1000 to present.	223-003 Serial Numbers: SE1000 to present.
222-004 Serial Numbers: RK1000 to present.	223-004 Serial Numbers: SF1000 to present.
222-005 Serial Numbers: RG1000 to present.	223-005 Serial Numbers: SC1000 to present
222-006 Serial Numbers: RH1000 to present.	223-006 Serial Numbers: SD1000 to present
222-007 Serial Numbers: RJ1000 to present.	223-007 Serial Numbers: SE1000 to present
222-008 Serial Numbers: RK1000 to present.	223-008 Serial Numbers: SF1000 to present
222-009 Serial Numbers: RL1000 to present.	223-009 Serial Numbers: SG1000 to present
222-010 Serial Numbers: RM1000 to present.	223-010 Serial Numbers: SH1000 to present

Quality Assurance Manager

Gene Harshbarger
Midmark Corporation
60 Vista Drive, P O Box 286
Versailles, Ohio 45380 U.S.A.

077-0355-00 Rev. B

Midmark Corporation
60 Vista Drive
Versailles, OH 45380-0286
937-526-3662
Fax 937-526-5542
midmark.com

Ritter® by MIDMARK